DIAGRAM 9: Component #2 - Secure Relay API

Incoming Request
from Tasker

Authentication Layer

Validate JWT Bearer Token

Verify Device ID

Rate Limiting
100 req/min per device

Exceed

Fail

Request Validation

Joi Schema Validation
sender, body, timestamp

Input Sanitization
XSS, SQL injection prevention

Fail

❌ 401 Unauthorized

❌ 429 Too Many Requests

Intelligent Routing

Determine message type

Assign priority queue

Route to correct pipeline

❌ 400 Bad Request

Pass to Memory Store